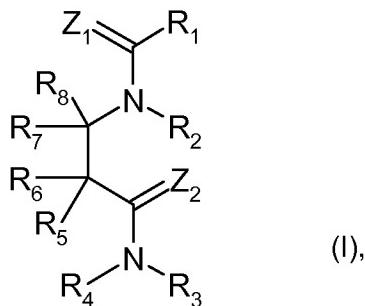


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Withdrawn) A compound of the formula



in which

Z_1 is an oxygen atom; or a sulfur atom;

Z_2 is an oxygen atom; or a sulfur atom;

R_1 is a phenyl or naphthyl group, which is substituted independently by 1 or 2 substituents R_a and optionally further substituted independently by 1 to 3 substituents R_b ; or

R_1 is heteroaryl composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur, which heteroaryl is unsubstituted or substituted independently by 1 to 4 substituents R_c ;

R_2 is hydrogen; a C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl or C_3 - C_6 cycloalkyl group, which group is unsubstituted or substituted independently by one or more substituents, selected from the group, consisting of the substituents R_a ; a group $C(=O)R_d$; or a group $C(=S)R_d$;

R_3 is hydrogen; a C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl or C_3 - C_6 cycloalkyl group, which group is unsubstituted or substituted independently by one or more substituents, selected from the group, consisting of the substituents R_a ; C_1 - C_6 alkoxy; halo- C_1 - C_6 alkoxy; C_3 - C_6 cycloalkoxy; C_1 - C_6 alkylthio; halo- C_1 - C_6 alkylthio; C_1 - C_6 alkylamino; halo- C_1 - C_6 alkylamino; di- C_1 - C_6 alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group,

consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy; di-(halo-C₁-C₆alkyl)-amino, in which the two haloalkyl groups are the same or different; C₃-C₆cycloalkylamino; N-(C₁-C₆alkyl)-N-(C₃-C₆cycloalkyl)-amino; C₁-C₆alkoxycarbonyl; halo-C₁-C₆alkoxycarbonyl; C₁-C₆alkylcarbonyl or halo-C₁-C₆alkylcarbonyl;

R₄ is hydrogen; a substituent R_i; a substituent R_e; a C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl or C₃-C₆cycloalkyl group, which group is unsubstituted or substituted independently by one or more substituents, selected from the group, consisting of the substituents R_a, the substituents R_e and a phenyl, benzoyl, phenoxy or heteroaryl group composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur, which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of the substituents R_c; a group CH₂OR₁; a group CH₂SR₁; a group CH₂NHR₁, which group is optionally further substituted at the nitrogen atom by C₁-C₆alkyl or halo-C₁-C₆alkyl; C₁-C₆alkoxy; halo-C₁-C₆alkoxy; C₃-C₆cycloalkoxy; a group OR₁; C₁-C₆alkylthio; halo-C₁-C₆alkylthio; a group SR₁; C₁-C₆alkylsulfinyl; halo-C₁-C₆alkylsulfinyl; C₁-C₆alkylsulfonyl; halo-C₁-C₆alkylsulfonyl; C₁-C₆alkylamino; halo-C₁-C₆alkylamino; di-C₁-C₆alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy; di-(halo-C₁-C₆alkyl)-amino, in which the two haloalkyl groups are the same or different; C₃-C₆cycloalkylamino; N-(C₁-C₆alkyl)-N-(C₃-C₆cycloalkyl)-amino; a group NHR₁, which group is optionally further substituted at the nitrogen atom by C₁-C₆alkyl or halo-C₁-C₆alkyl; a group C(=O)R_d; a group C(=O)R_e; a group C(=S)R_d; or a group C(=S)R_e;

or R₃ and R₄, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 6 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy;

R_a is cyano; nitro; halogen; C₁-C₆alkyl; halo-C₁-C₆alkyl; C₁-C₆alkoxy-C₁-C₆alkyl; C₂-C₆alkenyl; halo-C₂-C₆alkenyl; C₂-C₆alkynyl; halo-C₂-C₆alkynyl; C₃-C₆cycloalkyl; halo-C₃-C₆cycloalkyl; hydroxy; C₁-C₆alkoxy; halo-C₁-C₆alkoxy; C₃-C₆cycloalkoxy; mercapto; C₁-C₆alkylthio; halo-C₁-C₆alkylthio; C₁-C₆alkylsulfinyl; halo-C₁-C₆alkylsulfinyl; C₁-C₆alkylsulfonyl; halo-C₁-C₆alkylsulfonyl; amino; C₁-C₆alkylamino; halo-C₁-C₆alkylamino; di-C₁-C₆alkylamino, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy; di-(halo-C₁-C₆alkyl)-amino, in which the two haloalkyl groups are the same or different; C₃-C₆cycloalkylamino; N-(C₁-C₆alkyl)-N-(C₃-C₆cycloalkyl)-amino; carboxy; C₁-C₆alkoxycarbonyl; halo-C₁-C₆alkoxycarbonyl; aminocarbonyl; C₁-C₆alkylaminocarbonyl; halo-C₁-C₆alkylaminocarbonyl; di-C₁-C₆alkylaminocarbonyl, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, C₁-C₄alkyl and C₁-C₄alkoxy; di-(halo-C₁-C₆alkyl)-aminocarbonyl, in which the two haloalkyl groups are the same or different; C₁-C₆alkylcarbonyl; halo-C₁-C₆alkylcarbonyl; or tri-C₁-C₆alkylsilyl, in which the three alkyl groups are the same or different;

or 2 substituents R_a, which are attached to adjacent carbon atoms, taken together, are -(CH₂)₃; -(CH₂)₄; -(CH₂)₅; -(CH=CH-); -OCH₂O-; -O-(CH₂)₂O-; -OCF₂O-; -(CF₂)₂O-; -O-(CF₂)₂O-; or -O-(CF₂)₂O-

R_b is halogen; C₁-C₆alkyl; C₂-C₆alkenyl; C₂-C₆alkynyl; C₃-C₆cycloalkyl; C₁-C₆alkoxy; C₁-C₆alkoxycarbonyl; or a phenyl, benzyl, phenoxy or heteroaryl group composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur,

which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of the substituents R_a:

R_c is a substituent R_a ; or a phenyl, benzyl, benzoyl, phenoxy or heteroaryl group composed of a ring having 5 or 6 ring members or of a combination of at least two rings having in each case independently of one another 5 or 6 ring members, where 1 up to and including 4 of the ring members is (are) (a) heteroatom(s) selected from the group consisting of nitrogen, oxygen and sulfur, which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of the substituents R_a ;

R_d is a substituent R_1 ; $C_1\text{-}C_6\text{alkyl}$; halo- $C_1\text{-}C_6\text{alkyl}$; $C_1\text{-}C_6\text{alkoxy-C}_1\text{-}C_6\text{alkyl}$; a group CH_2R_1 ; a group CH_2OR_1 ; a group CH_2SR_1 ; a group CH_2NHR_1 , which group is optionally further substituted at the nitrogen atom by $C_1\text{-}C_6\text{alkyl}$ or halo- $C_1\text{-}C_6\text{alkyl}$; $C_2\text{-}C_6\text{alkenyl}$; halo- $C_2\text{-}C_6\text{alkenyl}$; $C_2\text{-}C_6\text{alkynyl}$; halo- $C_2\text{-}C_6\text{alkynyl}$; $C_3\text{-}C_6\text{cycloalkyl}$; halo- $C_3\text{-}C_6\text{cycloalkyl}$; $C_1\text{-}C_6\text{alkoxy}$; halo- $C_1\text{-}C_6\text{alkoxy}$; $C_3\text{-}C_6\text{cycloalkoxy}$; a group OR_1 ; $C_1\text{-}C_6\text{alkylthio}$; halo- $C_1\text{-}C_6\text{alkylthio}$; a group SR_1 ; $C_1\text{-}C_6\text{alkylamino}$; halo- $C_1\text{-}C_6\text{alkylamino}$; di- $C_1\text{-}C_6\text{alkylamino}$, in which the two alkyl groups are the same or different or, taken together, form, together with the nitrogen atom, to which they are attached, a ring containing 1 ring nitrogen atom and 2 to 12 ring carbon atoms and optionally 1 further ring hetero atom, which then replaces 1 ring carbon atom and is selected from the group, consisting of an oxygen, a sulfur and a nitrogen atom, which ring is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, $C_1\text{-}C_4\text{alkyl}$ and $C_1\text{-}C_4\text{alkoxy}$; di-(halo- $C_1\text{-}C_6\text{alkyl}$)-amino, in which the two haloalkyl groups are the same or different; $C_3\text{-}C_6\text{cycloalkylamino}$; $N\text{-}(C_1\text{-}C_6\text{alkyl})\text{-}N\text{-}(C_3\text{-}C_6\text{cycloalkyl})\text{-amino}$; or a group NHR_1 , which group is optionally further substituted at the nitrogen atom by $C_1\text{-}C_6\text{alkyl}$ or halo- $C_1\text{-}C_6\text{alkyl}$;

R_e is a carbocyclyl or heterocyclyl group, which group is monocyclic or bicyclic and is non-aromatic, in which group 1 or 2 of the ring members are optionally selected from the group, consisting of the groups $C(=O)$, $S(=O)$ and $S(=O)_2$, and which group is unsubstituted or substituted independently by 1 to 4 substituents, selected from the group, consisting of cyano, nitro, halogen, $C_1\text{-}C_4\text{alkyl}$ and $C_1\text{-}C_4\text{alkoxy}$;

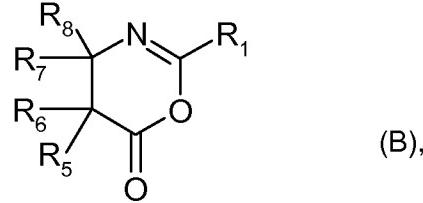
R_5 is hydrogen, $C_1\text{-}C_6\text{alkyl}$ or halo- $C_1\text{-}C_6\text{alkyl}$; or forms, taken together with R_8 or with a monovalent substituent attached to that atom of R_6 , via which atom R_6 is directly connected with the carbon atom, shown in the formula I, which carries R_5 , one additional bond;

R_6 and R_7 , taken together, form, together with the two carbon atoms, shown in the formula I, to which atoms they are attached, a bicyclic ring system, which ring system is carbocyclic or heterocyclic, which ring system is substituted, in the manner shown in the formula I, by the four substituents $-N(R_2)\text{-}C(=Z_1)\text{-}R_1$, $-C(=Z_2)\text{-}N(R_3)\text{-}R_4$, R_5 and R_8 , and which ring system is optionally further substituted;

and R₈ is hydrogen; or a C₁-C₆alkyl group; or forms, taken together with R₅ or with a monovalent substituent attached to that atom of R₇, via which atom R₇ is directly connected with the carbon atom, shown in the formula I, which carries R₈, one additional bond, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

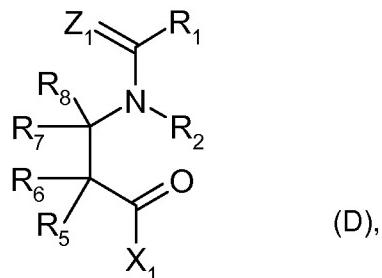
2. (Withdrawn) A compound according to claim 1 of the formula I, in which Z₁ is an oxygen atom, or, where appropriate, a tautomer thereof.
3. (Withdrawn) A compound according to claim 1 of the formula I, in which Z₂ is an oxygen atom, or, where appropriate, a tautomer thereof.
4. (Withdrawn) A compound according to claim 1 of the formula I, in which R₁ is a phenyl, pyridyl or pyrazolyl group, which is unsubstituted or substituted, or, where appropriate, a tautomer thereof.
5. (Withdrawn) A compound according to claim 4 of the formula I, in which R₁ is a pyrazol-5-yl group, which is substituted in the 3-position by halogen, halo-C₁-C₆alkyl or halo-C₁-C₆alkoxy and in the 1-position by a pyrid-2-yl group, which group is substituted in the 3-position by chlorine or bromine, or, where appropriate, a tautomer thereof.
6. (Withdrawn) A compound according to claim 1 of the formula I, in which R₂ is hydrogen or C₁-C₆alkyl, or, where appropriate, a tautomer thereof.
7. (Withdrawn) A compound according to claim 1 of the formula I, in which R₃ is hydrogen or C₁-C₆alkyl, or, where appropriate, a tautomer thereof.
8. (Withdrawn) A compound according to claim 1 of the formula I, in which R₄ is C₁-C₆alkyl, or, where appropriate, a tautomer thereof.
9. (Withdrawn) A compound according to claim 1 of the formula I, in which R₅ and R₈, taken together, are a bond, or, where appropriate, a tautomer thereof.

10. (Withdrawn) A compound according to claim 1 of the formula I, in which the two carbon atoms, shown in the formula I, to which atoms R₆ and R₇ are attached, are two ring members of an aromatic ring, or, where appropriate, a tautomer thereof.
11. (Withdrawn) A pesticidal composition, which comprises at least one compound according to claim 1 of the formula I or, where appropriate, a tautomer thereof, in each case in free form or in agrochemically utilizable salt form, as active ingredient and at least one auxiliary.
12. (Withdrawn) A composition according to claim 11 for controlling insects or representatives of the order Acarina.
13. (Withdrawn) A method for controlling pests, which comprises applying a composition according to claim 11 to the pests or their environment.
14. (Withdrawn) A method according to claim 13 for controlling insects or representatives of the order Acarina.
15. (Withdrawn) A method according to claim 13 for the protection of plant propagation material from the attack by pests, which comprises treating the propagation material or the site, where the propagation material is planted.
16. (Withdrawn) Plant propagation material treated in accordance with the method described in claim 15.
17. (Withdrawn) A compound of the formula B



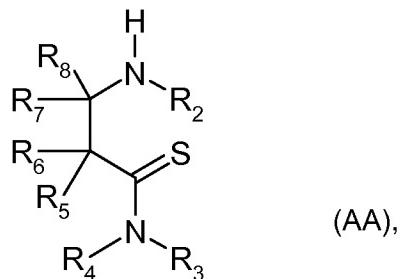
in which R₁, R₅, R₆, R₇ and R₈ have the meanings given in claim 1 for the formula I, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

18. (Withdrawn) A compound of the formula D



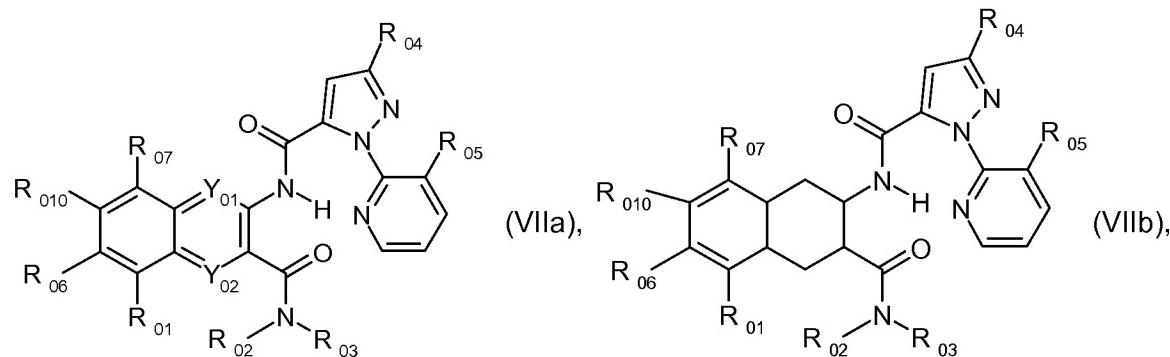
in which Z_1 , R_1 , R_2 , R_5 , R_6 , R_7 and R_8 have the meanings given in claim 1 for the formula I; and R is OH, C_1-C_4 alkoxy or Cl, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

19. (Withdrawn) A compound of the formula AA



in which R₂, R₃, R₄, R₅, R₆, R₇ and R₈ have the meanings given in claim 1 for the formula I, or, where appropriate, a tautomer thereof, in each case in free form or in salt form.

20. (Currently Amended) A Compound compound of either formulae VIIa and VIIb



wherein

R_{01} is hydrogen[[]], amino, or nitro;

R_{02} is hydrogen or C₁-C₄alkyl;

R_{03} is $C_1\text{-}C_4\text{alkyl}$, $C_1\text{-}C_4\text{alkyl}$ mono- or disubstituted by cyano, COOH, nitro, $C_1\text{-}C_4\text{alkoxy}$ or cyclopropyl; $C_2\text{-}C_8\text{alkenyl}[[,]]$; $C_2\text{-}C_8\text{alkenyl}$ substituted by halogen; $C_1\text{-}C_4\text{alkoxy}[[,]]$; $C_3\text{-}C_6\text{-alkinylalkynyl}[[,]]$; cyclopropyl[[,]]; cyclobutyl[[,]]; cyclopentyl[[,]]; cyclohexyl[[,]]; cyclopropyl substituted by $C_1\text{-}C_4\text{alkyl}$, pyridyl, phenyl- $C_2\text{-}C_6\text{alkenyl}$ or cyclopropyl; cyclobutyl substituted by $C_1\text{-}C_4\text{alkyl}$; cyclopentylthio- $C_1\text{-}C_4\text{alkyl}[[,]]$; benzyloxy[[,]]; benzyloxy substituted by halogen; benzylthio- $C_1\text{-}C_4\text{alkyl}$, wherein the benzyl group may itself be substituted by $C_1\text{-}C_4\text{alkyl}$; thiophenyl substituted by halophenyl; phenoxy- $C_1\text{-}C_4\text{alkyl}$, wherein the phenyl group may be mono- or disubstituted by substituents selected from halogen, nitro, benzothiazol-2-yloxy, $C_1\text{-}C_4\text{haloalkyl}$, $C_1\text{-}C_4\text{alkoxy}$ and $C_1\text{-}C_4\text{alkyl}$; 3,4-dihydro-2H-benzo[b][1,4]dioxepinyl[[,]]]; 1,2,3,4-tetrahydro-naphthalenyl substituted by $C_1\text{-}C_4\text{alkoxy}$; $C_2\text{-}C_6\text{alkenyloxy}[[,]]$; isoxazolyl substituted by $C_1\text{-}C_4\text{alkyl}$; thiazolyl, $C_1\text{-}C_4\text{alkoxycarbonyl-}C_1\text{-}C_4\text{alkyl}[[,]]$; phenyl substituted by hydroxy, halophenoxy, $C_1\text{-}C_4\text{alkyl-silyl}(C_1\text{-}C_4\text{-alkyl})_3$ or $C_2\text{-}C_6\text{-alkinylalkynyl}$; pyridyl substituted by $C_1\text{-}C_4\text{alkoxy}$; $C_1\text{-}C_6\text{alkylthio-}C_1\text{-}C_4\text{alkyl}[[,]]$; $C_2\text{-}C_6\text{alkenylthio-}C_1\text{-}C_4\text{alkyl}[[,]]$; $C_3\text{-}C_6\text{alkinylthio-}C_1\text{-}C_4\text{alkyl}[[,]]$; dioxolan-2-yl- $C_1\text{-}C_4\text{alkyl}[[,]]$; ($C_1\text{-}C_4\text{alkyl-dioxolan-2-yl})\text{-}C_1\text{-}C_4\text{alkyl}[[,]]$; triazolyl- $C_1\text{-}C_4\text{alkyl}[[,]]$; thienyl- $C_1\text{-}C_4\text{alkyl}[[,]]$; morpholinyl- $C_1\text{-}C_4\text{alkyl}[[,]]$; $C_1\text{-}C_4\text{alkylthio-}C_1\text{-}C_4\text{alkyl}[[,]]$; 2,3-dihydro-1H-isoindolyl[[,]]; halo-substituted-thiazolyl- $C_1\text{-}C_4\text{alkyl}[[,]]$; $C_1\text{-}C_4\text{alkylsulfonyl-}C_1\text{-}C_4\text{alkyl}$; or quinolylthio- $C_1\text{-}C_4\text{alkyl}$, wherein the quinoline group may be substituted by $C_1\text{-}C_4\text{haloalkyl}$;

R_{04} is $C_1\text{-}C_4\text{haloalkyl}$;

R_{05} is halogen;

each of R_{06} and R_{010} , which may be the same or different, represents hydrogen, $C_1\text{-}C_6\text{alkyl}$, $C_1\text{-}C_6\text{alkoxycarbonyloxy}$, $C_1\text{-}C_6\text{alkylcarbonylamino}$, hydroxy, cyano, halogen or $C_1\text{-}C_6\text{-}\cancel{\text{alkoxyalkoxy}}$;

R_{07} is hydrogen, nitro or halogen;

Y_{01} is $C(R_{08})$, sulfur, nitrogen or a chemical bond;

R_{08} is hydrogen, halogen, $C_1\text{-}C_4\text{alkyl}$ or nitro;

Y_{02} is $C(R_{09})$, a chemical bond, or is nitrogen or sulfur; and R_{09} is hydrogen, phenyl, phenyl substituted by halogen, or halogen.